INDEX.

ABBE, ROBERT, Effects of intracerebral and subcutaneous administration of tetanic antitoxin in nine cases of tetanus, 273, 366, 370; Prognosis after removal of suprarenal tumors, 760; Resection of popliteal aneurism, 761; Urinary obstruction from cyst of prostate, 762.

Actinomycosis in man in America, 235; of the lungs, Case of, 600.

American Surgical Association, Transactions for 1899, Review of, 521.

American Text-Book of Surgery, Third Edition, Review of, 388.

Amputation, Interscapulo-thoracic, 633, 686; Osteoplastic intercondylar, of the thigh, 131.

Amputations in childhood, Conical stump after, 486.

Anæsthesia, Local, in operations for the radical cure of hernia, 1.

Anatomy, Surgical, Review of Deaver's Treatise on, 137.

Aneurism, Arteriovenous, of femoral vessels, 753; of femoral artery, Ligation of external iliac artery for, 256; popliteal, Resection of, 761; of right subclavian artery, Ligation for, 591.

Aneurisms, Operative treatment of, 120.

Animals, Traumatisms inflicted by, 431.

Antitoxin treatment of tetanus, 119.

Appendicitis complicating tubal pregnancy, 254.

Ascites of cirrhosis treated by peritoneal anastomosis, 489.

Asepsis, Observations on the principles of, 656.

BARKER, The Nervous System and its Constituent Neurones, Review of, 143.

BENNETT, ALBERT I., Results obtained in treatment of ununited fractures by the Parkhill clamp, 327.

BERG, ALBERT ASHTON, Case of acute osteomyelitis of femur terminating in recovery, 332.

Bile-duct, Traumatic rupture of the, 227.

Bladder, Exstrophy of, 720; Stone in the, 743; stone in, Recurring, 760.

BOLTON, PERCIVAL R., Echinococcus cyst of the liver, 253; Extirpation of spleen for rupture, 734; Prostatectomy, 740; Nephrectomy for tuberculous nephritis, 749; Suprarenal tumor, 760; Recurring stone in bladder, 760.

BOVEE, J. WESLEY, Splenectomy for congestive hypertrophy, 705.

Bowl-stand, New, 479.

Breast, Carcinoma of the male, 741.

BREWER, GEORGE E., Intussusception, 249, 251; Ruptured tubal pregnancy complicated by appendicitis, 254; Follicular perforation of the ileum, 259; Hip amputation for diabetic gangrene, 494, 501; for Osteomyelitis of the femur, 495; Trephining for epilepsy, 497.

BRIDDON, CHARLES K., Cholelithiasis with cholecystitis, 261.

Bronchial fistula, Thoracoplasty for, 256.

BROWN, F. TILDEN, Cirrhotic ascites treated by peritoneal anastomosis, 489.

Buccal lymph-nodes, Situation and diseases of the, 375.

Bullet from femur, Removal of, 745; from ilium, Removal of, 746.

BULLITT, JAMES B., Mammoth ovarian tumors, 87; Case of actinomycosis hominis of the lungs, 600.

CÆCUM, Extirpation of, for carcinoma, 244.

Cheyne and Burghard, Manual of Surgical Treatment, Review of, 517.

Cholecystectomy and choledochotomy, 764.

Cholecystitis, Relation between, and jaundice and gall-stones, 443.

Cholecystotomy, 644.

Cholelithiasis, 261.

Cirrhotic ascites treated by peritoneal anastomosis, 489.

Coccygeal dermoid fistula, 340.

COLEY, WILLIAM B., Epithelioma of the mouth and tongue, 243; Double resection of the bowel for carcinoma of the cæcum, 244; Tumors of the parotid, 732; Carcinoma of the male breast, 741.

Conical stump after amputation in childhood, 486.

Coxa vara, 145, 259, 632.

CUMSTON, CHARLES GREENE, Prolapsus of rectum in children, 311.

CURTIS, B. FARQUHAR, Fracture of the humerus, with injury to musculospiral nerve, 242; Gastrostomy for stricture of the œsophagus, 243; Fracture of the neck of the humerus, with dislocation of the upper fragment, 291; Cases of cicatricial stricture of œsophagus treated by gastrostomy, string, and elastic tube dilatation, 352; Technique of osteoplastic resections of the skull, 365; Transplantation of skin-flap over exposed tendons, 366; Epithelioma of the lip, 628; Ligature of the innominate artery, 629; Interscapulo-thoracic amputations, 633; Carcinoma of the male breast, 742; Treatment of arteriovenous aneurisms, 753; Musculospiral paralysis, 755; Pylorectomy for cancer of stomach, 758; Nephrectomy for suprarenal tumor, 759.

CUSHING, HARVEY, Local anæsthesia in the radical cure of certain cases of hernia, with a note on the nervous anatomy of the inguinal region, 1.

DA COSTA, J. CHALMERS, Rupture of the liver, 647.

DAVIS, GWILYM G., Skiagraphy in orthopædic surgery, 266; Ligation of external carotid artery as a preliminary to extirpation of the Gasserian ganglion, 505; Operative measures in fractures of the leg, 509; Results of treatment of fracture of patella, 638; Radical cure of hernia, 648, 654.

DAWBARN, ROBERT H. M., Dangers attending extirpation of the tongue, 244; Strangulated femoral hernia, 252; High amputation of thigh, 496; Irrigation of empyemic cavities, 618; Orbital fracture with sinus involvement, 622.

Deaver, Surgical Anatomy, Vol. i, Review of, 137.

DEAVER, JOHN B., Operative treatment of carcinoma of the rectum, 640; Cholecystotomy, 646; Radical cure of hernia, 651.

DELATOUR, H. BEECKMAN, Contribution to the surgery of the stomach, 572.
Dermoid fistula, Coccygeal, 340.
Diabetic patients, Surgical operations upon, 393, 494, 500; gangrene, Hip amputation for, 494.
DOWD, CHARLES N., Result of plastic on upper lip, 492; Webbed fingers, 493.
DUNHAM, THEODORE, Leucocyte count in surgery, 669.

ECHINOCOCCUS cyst of the liver, 253.
Elbow, Complete external dislocation at the, 595.
Empyema thoracic, De Lorme's operation for, 617.
Epilepsy, Traumatic, osteoplastic resection of the skull for, 364; Trephining for, 497; Conditions of cure, 657.
ERDMANN, JOHN F., Intestinal obstruction due to intussusception, 180, 251; Operation for non-union of radius, 737; Carcinoma of the male breast, 742; Thyroid medication for delayed union of fractures, 743; Multiple vesical calculi, 743.
Exstrophy of the bladder, 720.

FAT embolism after orthopædic operations, 666.
Femoral vessels, Arterio-venous aneurism of, 753.
Femur, Fracture of the neck of, in early life, 145, 258.
Fingers, Webbed, 493.
FISK, ARTHUR L., Treatment of tetanus by injections of antitoxin, 368; Surgery in the presence of sugar in the urine, 393, 500.
Fixation plates in the treatment of fractures of the leg, 436, 508.
FOWLER, GEORGE R., Treatment of tetanus by injections of antitoxin, 367; Interscapulothoracic amputation for osteomyelitis of the humerus, 633, 686.
FOWLER, RUSSELL S., Interscapulothoracic amputation, 35, 194.
Fractures, Delayed union of, treated by thyroid medication, 695, 742; of the leg treated with fixation plates, 436, 508; Roberts's Notes on the Modern Treatment of, Review of, 387; ununited, Results of treatment by the Parkhill clamp, 327.
Fractures and Dislocations, Review of Stimson's Treatise on, 385; Review of Platt on those of the Upper Extremity, 386.
FREEMAN, LEONARD, New method of suture in operations for inguinal and other forms of hernia, 286.
Frontal sinus involved in orbital fracture, 622, 623.
FULLER, EUGENE, Radical treatment for curvature of the penis, 717.

GANGRENE in Diabetes Mellitus, Review of Grossman on, 776.
Gangrene, Superficial bilateral, with asymmetrical lesions, 609.
GARRETT, RICHARD WILLIAM, Traumatic rupture of the bile-duct, 227.
Gasserian ganglion, excision of, 463, 505.
Gastrectomy for carcinoma, 344, 587.
Gastric ulcers, Surgery of, 458.
Gastro-entero-anastomosis, Lücke's method, 123.
Gastro-enterostomy, 585; Technique of, 124; by the Podrez method, 524.
Gastro-jejunostomy, 504.
Gastrostomy, 573; for stricture of the œsophagus, 243, 257.
Genito-Urinary Tract, Review of

Lydston on the Surgical Diseases of the, 268.
GERSTER, ARPAD G., Excision of scapula for sarcoma, 257.
GIBSON, CHARLES L., Case of sarcoma of shoulder, 373; Operations on diabetics, 502; Pancreatic fistula, 628; Tumor of the parotid, 730; Sarcoma of ovary, 763; Tumor of sigmoid, 763; Myoma of uterus, 763; Cholecystectomy and choledochotomy, 764.
Goitre operations at the Heidelberg Clinic, 122; at the Breslau Clinic, 660.
Greenstick fractures, Skiagraphs of, 263.
Grossman on Gangrene in Diabetes Mellitus, Review of, 776.

HALSTEAD, A. E., Ligation of the first portion of the right subclavian artery for aneurism of the third portion, 591.
HARTE, RICHARD H., Radical cure of hernia, 652.
HARVIE, JOHN BRUCE, Recovery after gastrectomy for carcinoma, 344.
HEARN, W. JOSEPH, Radical cure of hernia, 653.
Heart wounds and suture, 663.
Heller, Die Krankheiten der Naegel, Review of, 775.
Hernia associated with volvulus, 405; Femoral, after treatment of congenital dislocation of hip, 767; New method of suture in operations for radical cure, 286; Operation for large incarcerated, 714; Radical cure of, 648; Under local anæsthesia, 1; Strangulated femoral, 252; ventral, Result after operation for, 746.
Herniæ, large incarcerated, Mortality after operations for, 65.
HEWSON, ADDINELL, Ligation of external carotid artery as a preliminary to extirpation of the Gasserian ganglion, 505; Supernumerary ribs, 507; Fixation by screws of fracture of tibia, 510.
Hip amputation for diabetic gangrene, 494; for chronic osteomyelitis of femur, 495; congenital dislocation, Bloodless treatment of, followed by femoral hernia, 767.
Hip-disease, ankylosis following, Operation for relief of, 641.
HOPKINS, W. BARTON, Extension apparatus for fractured patella, 635.
HORSLEY, J. SHELTON, Vesico-urethro-vaginal fistula, 97.
Hospital Reports, Mount Sinai, Vol. i, Review of, 391.
HOTCHKISS, LUCIUS W., Extensive thoracoplasty, 619; Prostatectomy, 740; Paralysis of peroneal nerve, 755.
Humerus, Fracture of neck of, with dislocation of upper fragment, 291, 614; fracture of external condyle of, Operation for, 752; Fractures of, with musculo-spiral nerve injury, 129, 242.
HUNTINGTON, THOMAS W., The surgery of gastric ulcers, 458.
Hypospadias, glandular, Operations for, 126.

ILEUM, Follicular perforation of the, 259.
Iliac artery, external, Ligation of, for femoral aneurism, 256.
Imperative Surgery, Review of Lilienthal on, 771.
Inguinal region, Nervous anatomy of the, 1.
Innominate artery, Successful ligature of the, 629.
International Text-Book of Sur-

gery, by Warren and Gould, Review of, 513.
Intestinal anastomosis, 504.
Intestine, large, Tumor of, 763.
Intestinal Suture, Terrier and Baudouin on, Review of, 773.
Interscapulo-thoracic amputation, 35, 194; for osteomyelitis, 633, 686.
Intubation instruments, Retained, 547.
Intussusception, Intestinal obstruction due to, 180, 249, 251; Surgery and pathological anatomy of, 766.

JAW, lower, Carcinoma of, 498.
JOHNSON, ALEXANDER B., Traumatic rupture of the liver, kidney, and lung, 247; Solitary perforation of the ileum, 260; Nephrectomy for renal calculus, 356; Tetanus treated by antitetanic serum, 360, 370; Carcinoma of cheek and lower jaw, 498; Amputations for diabetic gangrene, 500; Pancreatic fistula, 627; Plastic operations for epithelioma of lip, 628, 632; Tumors of the parotid, 732; Cases of ruptured spleen, 736; Fractures of the forearm, 738; Prostatectomy, 738; Stab-wound of the liver, 744; Removal of bullet from ilium, 746.

KAMMERER, FREDERICK, Osteoplastic resection of the skull for traumatic epilepsy, 364; Ligation of first portion of the subclavian for aneurism, 371; Ureter infection by catheterization, 751; Musculo-spiral paralysis, 755; Gastro-enterostomy, 759.
KEEN, WILLIAM W., Use of Röntgen rays in diagnosis of renal calculi, 264.
Kidney, Development of the surgery of the, 100; Extirpation of, for suprarenal tumor, 759; Extirpation of, for calculus, 356; use of clamp to vessels after extirpation, 359; liver and lung, Traumatic rupture of, 247; Removal of, for tuberculosis, 749.
KILIANI, OTTO G. T., De Lorme's operation for empyema, 617.
KNAGGS, R. LAWFORD, on volvulus in association with hernia, 405.

LAMINECTOMY for Pott's paraplegia, 667.
Larynx, Postdiphtheritic stenosis of, 547, 747; stenosis of, Implantation of costal cartilage for relief of, 661.
LE BOUTILLIER, WILLIAM G., Treatment of tetanus, 369.
LE CONTE, ROBERT G., Radical cure of hernia, 653.
LEONARD, CHARLES LESTER, Technique of diagnosis of ureteral and renal calculi by the aid of the Röntgen rays, 163.
Leucocyte count in surgery, 669.
LEWIS, BRANSFORD, Case of exstrophy of the bladder, with remarks upon the operative treatment of that condition, 720.
LILIENTHAL, HOWARD, Amputations for diabetic gangrene, 500; Pancreatic fistula, 625; Tubercular infection by catheterization of ureters, 750; Fracture of the olecranon, 757; on Imperative Surgery, Review of, 771.
Lip, Epithelioma of, 628, 632; upper, Plastic operation on, 492.
Liver, Echinococcus cyst of the, 253; kidney and lung, Traumatic rupture of, 247; Rupture of the, 647; Stab-wound of the, 744.
Lydston on the Surgical Diseases of the Genito-Urinary Tract, Review of, 268.

McCOSH, A. J., Carcinoma of the male breast, 742; Stenosis of larynx, 747.
McGRAW, THEODORE A., Gastroenterostomy by the Podrez method, 524.
McLAREN, JOHN SHAW, Congenital dislocation of the patella, 679.
MacLAREN, ARCHIBALD, Relationship between cholecystitis, jaundice, and gall-stones, 443.
MARCY, HENRY ORLANDO, Mortality after operations for large incarcerated herniæ, 65; Principles involved in the immediate hermetic sealing of aseptic wounds, 450.
Mechanics of Surgery, Review of Truax on, 142.
MEYER, WILLY, Intussusception, 251; Ligation of external iliac artery for femoral aneurism, 256; Thoracoplasty for bronchial fistula, 256; Gastrostomy for cancer of œsophagus, 257; Fatal hæmorrhage following removal of clamps after nephrectomy, 359; Treatment of tetanus by injections of antitoxin, 367; Thoracoplasty, 621; Operation for deformity after Pott's fracture of the tibia, 733; Prostatectomy, 740; Removal of bullet from femur, 745; Operation for ventral hernia, 746.
Modern Surgery, Roberts's Manual of, Review of, 521.
MORRIS, ROBERT T., Coccygeal dermoid fistula, 340.
Mount Sinai Hospital Reports, Vol. i, Review of, 391.
Mouth and tongue, Epithelioma of, 243.
MURRAY, FRANCIS W., Orbital fracture involving frontal sinuses, 623; Thyroid medication for delayed union of fractures, 695; Carcinoma of the male breast, 741; Thyroid medication for delayed union of fractures, 742.
Musculo-spiral nerve injury complicating fractures of the humerus, 129, 242, 754.
Myoma of uterus, 763.

NAILS, Diseases of, Heller on, Review of, 775.
Nancrede's Lectures on the Principles of Surgery, Review of, 388.
Nephrectomy for renal calculus, 356; Use of clamp to vessels after, 359; for suprarenal tumor, 759; for tuberculosis, 749.
Nervous anatomy of the inguinal region, 1.
Nervous System, Review of Barker's Treatise on, 143.
New York Surgical Society, Transactions of the, 242, 243, 253, 356, 489, 617, 625, 730.

OBSTETRICS, Grandin and Jarman's Text-Book on Practical, Review of, 271.
Occipital neuralgia, Operative treatment of, 121.
Œsophagus, Cicatricial stricture of, subjected to gastrostomy, string, and elastic tube dilatation, 352; Stricture of, treated by gastrostomy, 243, 257; Diverticulum of, 525.
Olecranon, Ununited fracture of, 756.
Omentum, Plastic operations with the, 664.
Operating-table, New, 479.
Orbital fracture involving frontal sinus, 622, 623.
Orthopædic Association, American, Transactions for 1899, Review of, 523.
Osteomyelitis of femur, acute, Case of, terminating in recovery, 332; Hip amputation for, 495; Tuber-

culous, of the diaphysis of long bones, 128; of the vertebræ, Acute, 382.
Ovarian tumors, Mammoth, 87.
Ovary, Sarcoma of, 763.

PANCREATIC fistula, 625.
Parkhill clamp, Results of use of, in ununited fractures, 327.
Parotid gland, Tumor of, 730.
Patella, Congenital dislocation of, 679; fractured, Extension apparatus for, 635; Treatment of fracture of, by suturing the capsule, 383.
Pelvis-supporting stool, 643.
Penis, cancer of, Dissemination and prognosis of, 768; Radical treatment for curvature of the, 717.
Peritoneum, Pathology of the lymphatics of the, 214.
Pharyngotomy, Subhyoid, 376.
Philadelphia Academy of Surgery, Transactions of, 503, 635; College of Physicians, Transactions of the Section on General Surgery of the, 263.
PILCHER, LEWIS S., Development of the surgery of the kidney, 100.
Platt on Fractures and Dislocations of the Upper Extremity, Review of, 386.
PORTER, WILLIAM G., Rupture of the liver, 647.
Pott's fracture of tibia, Operative relief of deformity after, 733; paraplegia, Laminectomy for, 667.
POWERS, CHARLES A., Conical stump after amputations in childhood, 486.
Progressive Medicine, December, 1899, Review of, 778.
Projectile, the modern small-bore, Surgical Aspects of, 75.
Prostate, cyst of, Obstruction from, 762.
Prostatectomy, 738.
Pyloroplasty for non-malignant stricture, 503.

RADIUS, ununited, Operation for cure of, 737.
Rectal growths extirpated through the vagina, 381.
Rectum, cancer of, Extirpation of, by the abdomino-perineal route, 134; Carcinoma of the, 640; prolapse of, Amputation, 133; Prolapsus of, in children, 311.
Rectus abdominis, Congenital shortening of the, 663.
REED, R. HARVEY, Traumatisms inflicted by animals, 431.
Renal calculi, Diagnosis of, by aid of the Röntgen rays, 163, 264.
RICHARDSON, MAURICE H., Œsophageal diverticulum, 525.
ROBERTS, JOHN B., Pyloroplasty for non-malignant structure, 503; Gastro-jejunostomy, 504; Intestinal anastomosis, 504; Röntgen rays in diagnosis of fractures, 511; Notes on the Modern Treatment of Fractures, Review of, 387; Manual of Modern Surgery, Review of, 521.
ROBINSON, BYRON, Pathology of the lymphatics of the peritoneum, 214.
ROGERS, JOHN, JR., Treatment of tetanus by injections of antitoxin, 366; Postdiphtheritic stenosis of the larynx, 547, 747.
Röntgen rays, Aid of, in diagnosis of ureteral and renal calculi, 163, 264; Surgical uses of the, 263; Uses in orthopædic surgery, 266.
RUGH, J. TORRANCE, Anomalous spinous process of seventh cervical vertebra, 468, 506; Nonunion of tibia, 510.
RÜHRAH, JOHN, Actinomycosis in man in America. Supplementary report, 235.

RUSHMORE, JOHN D., Glottic spasm after removal of laryngeal tube, 748.

SARCOMA of the shoulder, 373. Scapula, Excision of, for sarcoma, 257.

SCHACHNER, AUGUST, Surgical aspects of the modern small-bore projectile, 75; New operating-table and bowl-stand, 479.

Shoulder, Dislocation at the, with fracture through the anatomical neck of the humerus, 291, 614; Sarcoma of, 373.

Skull, osteoplastic resections of the, Technique of, 364.

SPELLISSY, JOSEPH M., Excision of Gasserian ganglion after ligation of the external carotid artery, 463, 505.

Spleen, ruptured, Cases of, 734.

Splenectomy, 705; for rupture, 734.

Ssabanejeff-Abrashanow method of osteoplastic intercondylar amputation of the thigh, 131.

STEINBACH, LEWIS W., Use of fixation plates in the treatment of fractures of the leg, 436, 508.

STEWART, F. T., Skiagraphs of greenstick fractures, 263.

STIMSON, LEWIS A., Operation for fracture of external condyle of the humerus, 752; Arteriovenous aneurism of femoral vessels, 753; Musculospiral paralysis, 754; Fracture of the olecranon, 756; Treatise on Fractures and Dislocations, Review of, 385.

Stomach, Contribution to the Surgery of the, 572; Wounds of the, 572; cancer of, Pylorectomy for, 758; Removal of entire, for carcinoma, 344, 587; Surgery of ulcers of, 458.

Subclavian artery, Ligation of first portion for aneurism of the third portion, 371, 591.

Sugar in the urine, Surgery in the presence of, 393, 494, 500.

Summers, The Modern Treatment of Wounds, Review of, 390.

Surgery, American Text-Book of, Review of Third Edition of, 388; Nancrede's Lectures on the Principles of, Review of, 388.

Surgical Treatment, Cheyne and Burghard's Manual of, Review of, 517.

SYMS, PARKER, Case of ruptured spleen, 737; Ununited fracture of the olecranon, 756.

TENDOPLASTY, 132. Terrier and Baudouin on Intestinal Suture, Review of, 773.

Tetanus, Effects of tetanic antitoxin in treatment of, 119, 273, 360, 366, 370.

Thigh, Osteoplastic amputation of, 131.

Thoracoplasty, 619; for bronchial fistula, 256.

Thyroid gland, Treatment of tumors of, in the Clinic of Mikulicz, 660; in the Clinic of Czerny, 122.

Thyroid medication for fractures with delayed union, 695, 742.

Tongue, Extirpation of, for carcinoma, 242.

Traumatisms inflicted by animals, 431.

Trephining for epilepsy, 364, 497.

Truax, Mechanics of Surgery, Review of, 142.

Tubal pregnancy complicated by appendicitis, 254.

Tuberculosis of the diaphysis of long bones, 128; of kidney, Nephrectomy for, 749.

Typhoidal ulcer, Perforating, 764.

URETER, Boari's method of implantation of, into bladder, 377; tubercular infec-

tion of the, by catheterization, 750
Ureteral calculi, Diagnosis of, by aid of the Röntgen rays, 163.
Uterus, Myoma of, 763.

VAGINO-RECTAL operations, 381.
Vertebra, Anomalous spinous process of seventh cervical, 468, 506.
Vertebræ, Acute osteomyelitis of, 382.
Vesical calculi, Multiple, 743.
Vesico-urethro-vaginal fistula, 97.
Volvulus in association with hernia, 405.

WALKER, JOHN B., Pancreatic fistula, 628.
Warren and Gould, International Text-Book of Surgery, Review of, 513.
WEIDMAN, J. C., Operation for large incarcerated hernia, 714.
WEIR, ROBERT F., Cirrhotic ascites treated by peritoneal anastomosis, 491; Amputations for diabetic gangrene, 501.
WHARTON, HENRY R., Fixation in compound fractures, 511; Cholecystotomy, 646.
WHITMAN, ROYAL, Further observations on depression of the neck of the femur in early life, 145, 259; Double coxa vara, 632; Operation for deformity after Pott's fracture of the tibia, 733.
WILLARD, DE FOREST, Anomalous spinous process, 506; Use of fixation plates in treatment of fractures of the leg, 508; Bony union of fractured patella without operation, 639; Operation for relief of ankylosis at hip, 641; Cholecystotomy, 644.
WILSON, GEORGE F., Case of superficial bilateral gangrene with asymmetrical lesions, 609.
WILSON, H. AUGUSTUS, Anomalous spinous process of seventh cervical vertebra, 468, 506.
WINSLOW, RANDOLPH, Complete external dislocation at the elbow, 595.
WOOLSEY, GEORGE, Stricture of the œsophagus treated by the string-saw method, 243; Tumors of the parotid, 732; Prostatectomy, 739; Carcinoma of the male breast, 742; Perforating typhoid ulcer, 764.
Wounds, Principles involved in the immediate hermetic sealing of aseptic, 450; Summers on the modern treatment of, 390.

X-RAY, Surgical uses of the, 263; in orthopædic surgery, 266.